

**Health Science Education**  
**Health Science Education**  
**Course Code #5504**

**1 Credit**

**School Year** \_\_\_\_\_

**Term:** \_\_\_\_\_ **Fall** \_\_\_\_\_ **Spring**

Rate each student on the following

- 3 – Mastered (Can work independently with no supervision)
- 2 – Require supervision (Can perform with limited supervision)
- 1 – Not mastered (Requires instructions and close supervision)
- N – No exposure (No experience or knowledge in this area)

|                                             |
|---------------------------------------------|
| Student: _____ Grade _____                  |
| Teacher: _____ School _____                 |
| Number of Competencies in Course: <b>35</b> |
| Number of Competencies Mastered: _____      |
| Percent of Competencies Mastered: _____     |

**Standard 1.0 The student will know and apply the academic subject matter required for entrance within the Health Science Career Cluster.**

\*One of these columns must be checked

| Learning Expectations |                                                                                                                                        | Check the appropriate Mastery or Non-Mastery column* |  |  |  | Rating (Circle one) |   |   |   | Mastery | Non-Mastery |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|--|--|--|---------------------|---|---|---|---------|-------------|
| 1.1                   | Compare and complete various patient forms used in documenting client/patient information.                                             |                                                      |  |  |  | 3                   | 2 | 1 | N |         |             |
| 1.2                   | Perform mathematical operations to convert body temperature using Celsius/Fahrenheit methods and convert weight to metric measurement. |                                                      |  |  |  | 3                   | 2 | 1 | N |         |             |
| 1.3                   | Use medical terminology including root words, prefixes, suffixes, and abbreviations.                                                   |                                                      |  |  |  | 3                   | 2 | 1 | N |         |             |
| 1.4                   | Employ principles of basic anatomy and body organization in assessing health.                                                          |                                                      |  |  |  | 3                   | 2 | 1 | N |         |             |
| 1.5                   | Evaluate the history of health care in respect to time, culture, religion, and regions.                                                |                                                      |  |  |  | 3                   | 2 | 1 | N |         |             |

**Standard 2.0 Students will explain the various methods of giving and obtaining information, demonstrate use of all forms of communication, and evaluate roles and responsibilities.**

\*One of these columns must be checked

| Learning Expectations |                                                                                                                                                             | Check the appropriate Mastery or Non-Mastery column* |  |  |  | Rating (Circle one) |   |   |   | Mastery | Non-Mastery |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|--|--|--|---------------------|---|---|---|---------|-------------|
| 2.1                   | Assess the importance of effective communication using rules of communication and appropriate listening skills including sending and receiving information. |                                                      |  |  |  | 3                   | 2 | 1 | N |         |             |
| 2.2                   | Adapt communication to individual needs (age and development specific) and multicultural and multilingual needs.                                            |                                                      |  |  |  | 3                   | 2 | 1 | N |         |             |
| 2.3                   | Research use of tele-health care in a health care setting.                                                                                                  |                                                      |  |  |  | 3                   | 2 | 1 | N |         |             |

**Standard 3.0 The student will understand how health care workers' roles fit into their department, organization, and overall health care environment and will demonstrate how key systems affect services they perform and quality of care given.**

\*One of these columns must be checked

| Learning Expectations |                                                                                                       | Check the appropriate Mastery or Non-Mastery column* |  |  |  | Rating (Circle one) |   |   |   | Mastery | Non-Mastery |
|-----------------------|-------------------------------------------------------------------------------------------------------|------------------------------------------------------|--|--|--|---------------------|---|---|---|---------|-------------|
| 3.1                   | Analyze the range of services offered to clients through various health care facilities.              |                                                      |  |  |  | 3                   | 2 | 1 | N |         |             |
| 3.2                   | Evaluate the impact of current healthcare trends including reimbursement and duplication of services. |                                                      |  |  |  | 3                   | 2 | 1 | N |         |             |

**Standard 4.0 The student will analyze how employability skills enhance employment opportunities and job satisfaction and will demonstrate key employability skills and procedures/training to maintain skills as needed for the job market.**

\*One of these columns must be checked

| Learning Expectations |                                                                                                                                                         | Check the appropriate Mastery or Non-Mastery column* |  |  |  | Rating (Circle one) |   |   |   | Mastery | Non-Mastery |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|--|--|--|---------------------|---|---|---|---------|-------------|
| 4.1                   | Demonstrate employability skills such as attendance, time management, individual responsibility, professional conduct, and appearance.                  |                                                      |  |  |  | 3                   | 2 | 1 | N |         |             |
| 4.2                   | Demonstrate interview, application, and resume writing skills necessary for job attainment by implementing National HOSA Job Seeking Skills guidelines. |                                                      |  |  |  | 3                   | 2 | 1 | N |         |             |
| 4.3                   | Demonstrate problem-solving and critical thinking skills.                                                                                               |                                                      |  |  |  | 3                   | 2 | 1 | N |         |             |
| 4.4                   | Demonstrate proficiency in keyboarding skills, including equipment operation, computer systems, and computer applications.                              |                                                      |  |  |  | 3                   | 2 | 1 | N |         |             |
| 4.5                   | Compare various career options in each health care cluster and the required education, certification, licensure and registries.                         |                                                      |  |  |  | 3                   | 2 | 1 | N |         |             |

**Standard 5.0 The student will evaluate legal responsibilities, limitations, and implications of actions within the health care delivery system.**

\*One of these columns must be checked

| Learning Expectations |  | Check the appropriate Mastery or Non-Mastery column* |  |  |  | Rating (Circle one) |  |  |  | Mastery | Non-Mastery |
|-----------------------|--|------------------------------------------------------|--|--|--|---------------------|--|--|--|---------|-------------|
|-----------------------|--|------------------------------------------------------|--|--|--|---------------------|--|--|--|---------|-------------|

|     |                                                                                                                                                 |   |   |   |   |  |  |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------|---|---|---|---|--|--|
| 5.1 | Examine legal aspects of client/patient care including HIPPA guidelines, confidentiality, consent, and negligence.                              | 3 | 2 | 1 | N |  |  |
| 5.2 | Analyze the phrase "operate within the scope of care" including licensure, accreditation, and legislation affecting professions and facilities. | 3 | 2 | 1 | N |  |  |
| 5.3 | Analyze legal requirements in documentation.                                                                                                    | 3 | 2 | 1 | N |  |  |
| 5.4 | Examine global, ethnic and cultural issues, negligence, and legal documentation.                                                                | 3 | 2 | 1 | N |  |  |

**Standard 6.0 The student will evaluate accepted ethical practices with respect to cultural, social, and ethnic differences within the health care environment.**

\*One of these columns must be checked

| Learning Expectations |                                                                                                                                                                            | Check the appropriate Mastery or Non-Mastery column* |   |   |   | Rating (Circle one) | Mastery | Non-Mastery |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|---|---|---|---------------------|---------|-------------|
| 6.1                   | Analyze the Patients' Bill of Rights and compare the needs of client/patient who have cultural, social, and ethical differences in regard to the Patients' Bill of Rights. | 3                                                    | 2 | 1 | N |                     |         |             |
| 6.2                   | Interpret a Code of Ethics.                                                                                                                                                | 3                                                    | 2 | 1 | N |                     |         |             |

**Standard 7.0 The student will analyze the existing and potential hazards to clients, co-workers, and self and will prevent injury or illness through safe work practices and follow health and safety policies and procedures.**

\*One of these columns must be checked

| Learning Expectations |                                                                                                                                                                                                   | Check the appropriate Mastery or Non-Mastery column* |   |   |   | Rating (Circle one) | Mastery | Non-Mastery |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|---|---|---|---------------------|---------|-------------|
| 7.1                   | Use Standard Precautions and OSHA Standards to control the spread of infection including aseptic techniques such as hand washing, personal protective equipment, isolation, and personal hygiene. | 3                                                    | 2 | 1 | N |                     |         |             |
| 7.2                   | Apply principles of body mechanics including proper lifting techniques, positioning, moving, and transferring.                                                                                    | 3                                                    | 2 | 1 | N |                     |         |             |
| 7.3                   | Demonstrate cleaning methods for instruments, equipment, and environmental surfaces.                                                                                                              | 3                                                    | 2 | 1 | N |                     |         |             |
| 7.4                   | Employ emergency procedures and protocols regarding fire and electrical hazards and hazardous materials, using health care guidelines such as OSHA Standards.                                     | 3                                                    | 2 | 1 | N |                     |         |             |
| 7.5                   | Analyze activities that adversely affect the health, safety, or welfare of clients/patients.                                                                                                      | 3                                                    | 2 | 1 | N |                     |         |             |
| 7.6                   | Perform medical and surgical aseptic techniques, including packaging, gloving, and gowning.                                                                                                       | 3                                                    | 2 | 1 | N |                     |         |             |

**Standard 8.0 The student will evaluate the responsibilities necessary to become a member of the HOSA team.**

\*One of these columns must be checked

| Learning Expectations |                                                                                                                                                        | Check the appropriate Mastery or Non-Mastery column* |   |   |   | Rating (Circle one) | Mastery | Non-Mastery |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|---|---|---|---------------------|---------|-------------|
| 8.1                   | Relate the background of HOSA, including purposes and principles of the organization creed, motto, emblem, and dress.                                  | 3                                                    | 2 | 1 | N |                     |         |             |
| 8.2                   | Diagram the organizational levels of HOSA.                                                                                                             | 3                                                    | 2 | 1 | N |                     |         |             |
| 8.3                   | Practice team membership skills in competition guidelines such as Parliamentary Procedure, HOSA Bowl, Opening/Closing Ceremony, and Biomedical Debate. | 3                                                    | 2 | 1 | N |                     |         |             |

**Standard 9.0 The student will perform skills necessary for physical assessment of health status and emergency care.**

\*One of these columns must be checked

| Learning Expectations |                                                                                                                                                                                       | Check the appropriate Mastery or Non-Mastery column* |   |   |   | Rating (Circle one) | Mastery | Non-Mastery |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|---|---|---|---------------------|---------|-------------|
| 9.1                   | Demonstrate principles of first aid application in emergency conditions such as bleeding, shock, poisoning, burns, heat, cold exposures, muscle skeletal injuries and sudden illness. | 3                                                    | 2 | 1 | N |                     |         |             |
| 9.2                   | Demonstrate cardiopulmonary resuscitation emergency procedures.                                                                                                                       | 3                                                    | 2 | 1 | N |                     |         |             |
| 9.3                   | Measure vital signs.                                                                                                                                                                  | 3                                                    | 2 | 1 | N |                     |         |             |
| 9.4                   | Perform health assessment including measures such as height, weight, nutritional analysis, and psychosocial skills.                                                                   | 3                                                    | 2 | 1 | N |                     |         |             |
| 9.5                   | Employ principles of nutrition including assessment techniques of energy needs, diet adequacy, and conditions that alter nutrient needs.                                              | 3                                                    | 2 | 1 | N |                     |         |             |

Additional Comments \_\_\_\_\_